

MEMORANDUM

DATE: January 25, 2022

TO: Honorable Mayor and City Commission

VIA: James Slaton, City Manager

FROM: Sarah B. Kirkland, Utilities Director

RE: Water Supply Facilities Work Plan Task Order #5

SYNOPSIS: Hoyle Tanner & Associates, Inc. will prepare the Water Supply Facilities Work Plan (Plan) update due to the Southwest Florida Management District by May 17, 2022.

RECOMMENDATION

It is recommended that the Commission take the following action:

1. Approve Engineering services with Hoyle Tanner & Associates, Inc. for \$65,000.00.
2. Authorize the City Manager to execute the appropriate documents, on the City's behalf.

BACKGROUND

The City owns and operates a public, municipal drinking water system serving approximately 29,600 people providing roughly 3 MGD (million gallons per day) including the City and Park Water service area. The current water source is groundwater from the Upper Floridan aquifer, which is treated by aeration and chlorination at several water treatment facilities. The City's ability to withdraw groundwater from the current source, the Upper Floridan Aquifer, is limited by the City's Water Use Permit (WUP). Besides the withdrawal limits, the WUP contains 24 special conditions requiring, among other things, a regulatory permit review in early 2022 that could result in changes to the limits and other aspects of the WUP. To prepare for this upcoming review, Task Order #2 and Task Order #3 provided a review of these special conditions and the City's compliance as well as the development of a preliminary water supply and permitting strategy for the upcoming review and required reports. Task Order #4 deals with Hoyle Tanner's specific interaction with SWFWMD and the approach taken in preparation for the WUP permit review.

Task, Order #5 deals with the preparation of an updated Water Supply Facilities Work Plan. Last December, the Southwest Florida Water Management District (SWFWMD) alerted water suppliers within its jurisdiction, that a local Water Supply Facilities Work Plan (Plan) update would be due on May 17, 2022. The requirements for this Plan are outlined in various technical assistance documents published by the state and the water management districts and the Plan should be consistent with SWFWMD's Regional Water Supply Plan. The elements of the Plan include: population and water demand projections; identification of the service area within and outside the City jurisdictional area; an inventory and capacity analysis of existing water supply and treatment facilities including reuse; a determination of whether additional water supplies and facilities are needed to meet future demands; an identification of anticipated, major capital improvements; incorporation and expansion of water conservation and reuse programs; and the City's relevant goals, objectives and policies. A certain amount of the information required by the Plan has already been developed by Hoyle Tanner and included in the 2020 Potable Water Master Plan report. Submission of this Plan would mark the first time that the City

presents its current thinking regarding future water supply to SWFWMD and will likely open the door to extended discussions with them. By its nature, the Plan would address the City's future water supply options including whether to commit to the Polk Regional Water Cooperative (PRWC) regional water supply program.

Staff recommends the Commission take the following action, approve entering into a contract with Hoyle Tanner for the update of the Water Supply Facilities Work Plan to be submitted to the Southwest Florida Water Management District by May 17, 2022, and authorize the City Manager to execute the appropriate documents, on the City's behalf for \$65,000.00.

OTHER OPTIONS

None. The Water Supply Facilities Work Plan update is due on May 17, 2022. It is a requirement of the Southwest Florida Water Management District.

FISCAL IMPACT

The 2020-21 Utilities Capital Improvement Plan line item for the exploration of alternative water supply sources.

ATTACHMENTS

Hoyle Tanner & Associates Inc. Engineering Task Order #5